(19) World Intellectual Property Organization International Bureau



(43) International Publication Date 28 December 2000 (28.12.2000)

PCT

(10) International Publication Number WO 00/79701 A1

(51) International Patent Classification⁷: H04L 1/06

H04B 7/06,

(21) International Application Number: PCT/EP99/04237

(22) International Filing Date: 18 June 1999 (18.06.1999)

(25) Filing Language:

English

(26) Publication Language:

English

- (71) Applicant (for all designated States except US): NOKIA NETWORKS OY [FI/FI]; Keilalahdentie 4, FIN-02150 Espoo (FI).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): CORREIA, Americo, M., C. [PT/PT]; R. Adelaide Cabelte 14, V. Milhacos, P-2855 Corroios (PT). HOTTINEN, Ari [FI/FI]; Ristiniementie 4 AS. 30, FIN-Espoo 02320 (FI). WICHMAN, Risto [FI/FI]; Vilpurinkatu 1D A 20, FIN-00510 Helsinki (FI).

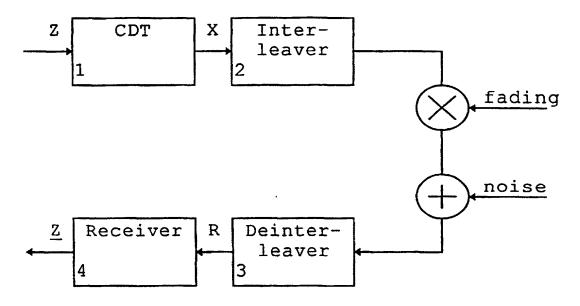
- (74) Agents: PELLMANN, Hans-Bernd et al.; Tiedtke-Bühling-Kinne et al., Bavariaring 4, D-80336 München (DE).
- (81) Designated States (national): AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZA, ZW.
- (84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).

Published:

With international search report.

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: DIVERSITY TRANSMISSION METHOD AND SYSTEM



(57) Abstract: The present invention relates to a diversity transmission method and system, wherein a transmission signal is divided into a plurality of subsignals. A first set of the subsignals in transmitted using a first diversity transmission scheme, and a second set of said subsignals is transmitted using a second diversity transmission scheme. Thus, a joint coordination between different types of diversity transmission schemes is proposed so as to achieve a significant capacity increase at a moderate complexity.

|| 10707/U